ECS/EMD Configuration Change Request

1. Originator Henry Baez	2. Log Date: 8/17/04	3. CCR #: 04-0409	4. Rev: —	5. Tel: 301-925-1025	6. Rm #: 3108G	7. Org. COTS HW

8. CCR Title: Testing IBM recommendations on changes to AIX OS 5.1, eBorder 4.2 , and PORTUS 5.0.9 upgrade.

9. Originator Signature/Date **Henry Baez** /s/ 8/16/04	10. Class IN	11. Type: CCR	12. Need Date: 8/18/2004

13. CCR Sponsor Signature/Date **Pamela Johnson** /s/ 8/16/04	14. Category of Change: ==EDF (Infracture)==	15. Priority: (If "Emergency" fill in Block 27). Emergency

16. Documentation/Drawings Impacted *(Review and submit checklist):* NCR41023	17. Schedule Impact:	18. CI(s) Affected:

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost: ==None - Under 100K==

22. Source Reference: ☒NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:

23. Problem: (use additional Sheets if necessary)
The AIX OS 5.1, eBorder 4.2 , and PORTUS 5.0.9 upgrade PSR called for reduction of /tmp file system. LP DAAC could not remount /tmp after reduction. Upgrade had to be aborted and previous versions restored. IBM did not have any idea what happened and as firewall was restored, no logs or anything else can be done to get more information.

24. Proposed Solution: (use additional sheets if necessary)
IBM recommendation is to stop all flows across firewall while doing the reduction. Doing procedure LP DAAC firewall was still processing traffic. PSR document has mistakes, mainly confusion between Physical vs. Logical Partitions in several places. Need to carry out IBM recommendations. Also need to carry out additional test to be able to test corrected PSR procedures. As the tape drive was taken from VATC firewall, most if not all testing has to be done on PVC firewall. Tests required are listed on page two.

25. Alternate Solution: (use additional sheets if necessary)
None.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Can not do SMC and DAAC firewall upgrades and any bugs, security or operational, found in AIX OS 4.3.3 will not be patched or fixed after 1/1/2004.

27. Justification for Emergency (If Block 15 is "Emergency"):
DAAC have started to schedule the upgrades and need to provide corrected procedure so they can carry out upgrade.

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☐EDC ☐GSFC ☐LaRC ☐NSIDC ☐SMC ☐AK ☐JPL ☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. SCDV CCB Chair (Sign/Date): **Byron V. Peters** /s/ 8/17/04	Disposition: ==Approved== App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. EDF CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #: 04-0409   **Rev: —**   **Originator:** Henry Baez

Telephone: 301-925-1025   **Office:** 3108G

Title of Change: Testing IBM recommendations on changes to AIX OS 5.1, eBorder 4.2 , and PORTUS 5.0.9 upgrade.

Test required:

1. Test use of init, i.e. 'init 1' to bring system down to system maintenance or single user mode. (PVC or VATC)

2. Shutdown firewall and boot into menu chose restore. Copy each step but do not actually do the restore. (PVC only)

3. Shutdown firewall and boot into menu chose maintenance mode. (Number 2 could be done same time? (PVC or VATC)

4. Reduce /tmp testing using command lines vs. SMIT menu as recommend by IBM and recreate it. (PVC only)

5. This test is optional for this NCR, but if done can only be done in PVC. If possible and have time, add or change some interface configuration, then restore PVC form image tape made just before test. If configuration goes away, add or change same item, execute bosboot -a command and create a new image tape. Restore with least image tape. (PVC only)

CM01AJA00 Revised 10/2/03   ***ECS/EMD***